



PTO SB 03A (CS-C3)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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Sheet 1 of 17

**Complete if Known**

Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned <i>BETTON, DM</i>
Attorney Docket Number	330310.00101

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
<i>EB</i>	1	US- 4,021,472 A	05/1977	Fujii et al.	
<i>EB</i>	2	US- 4,051,842 A	10/1977	Hazel et al.	
<i>EB</i>	3	US- 4,140,122 A	02/1979	Kuhl et al.	
<i>EB</i>	4	US- 4,224,342 A	09/1980	Fujii et al.	
<i>EB</i>	5	US- 4,283,418 A	08/1981	Fuji et al.	
<i>EB</i>	6	US- 4,310,533 A	01/1982	Uegai et al.	
<i>EB</i>	7	US- 4,383,529 A	05/1983	Webster	
<i>EB</i>	8	US- 4,629,567 A	12/1986	Bollen et al.	
<i>EB</i>	9	US- 4,657,763 A	04/1987	Finkelstein	
<i>EB</i>	10	US- 4,668,504 A	05/1987	Kahan et al.	
<i>EB</i>	11	US- 4,711,848 A	12/1987	Insley et al.	
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<i>EB</i>	14	US- 4,760,130 A	07/1988	Thompson et al.	
<i>EB</i>	15	US- 4,788,603 A	11/1988	Fujimura et al.	
<i>EB</i>	16	US- 4,829,052 A	05/1989	Glover et al.	
<i>EB</i>	17	US- 4,839,283 A	06/1989	Kawasaki et al.	
<i>EB</i>	18	US- 4,843,094 A	06/1989	Imaki et al.	
<i>EB</i>	19	US- 4,889,723 A	12/1989	Kim et al.	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
EB	20	WO 94/07525	04/1994			
EB	21	WO 95/28422	10/1995			
EB	22	WO 95/34538	12/1995			
EB	23	WO 96/12021	04/1996			
EB	24	WO 96/14067	05/1996			
EB	25	WO 97/03679	02/1997			

Examiner Signature *Jim J. [Signature]*

Date Considered 9/30/07

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 17**Complete if Known**

Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned TIM BETTON
Attorney Docket Number	330310.00101

**U. S. PATENT DOCUMENTS**

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TB	26	US- 4,931,279 A	06/1990	Bawa et al.	
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TB	45	WO 97/09346	03/1997			
TB	46	WO 97/09347	03/1997			
TB	47	WO 97/10222	03/1997			
TB	48	WO 97/10231	03/1997			
TB	49	WO 97/21690	06/1997			
TB	50	WO 97/24339	07/1997			

Examiner  
Signature

Timothy S. Betton

Date  
Considered

9/30/07

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Sheet 3 of 17**Complete if Known**

Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned TTM BETTON
Attorney Docket Number	330310.00101

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TB	51	US- 5,486,470 A	01/1996	Darke et al.	
TB	52	US- 5,489,593 A	02/1996	Palmer et al.	
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TB	70	WO 97/31937	09/1997			
TB	71	WO 97/33996	09/1997			
TB	72	WO 97/37969	10/1997			
TB	73	WO 97/45402	12/1997			
TB	74	WO 97/48706	12/1997			
TB	75	WO 97/49679	12/1997			

Examiner  
Signature

Timothy E. Betton

Date  
Considered

09/28/07

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned <i>TIM BETTON</i>
Attorney Docket Number	330310-00101

Sheet 4 of 17

**U. S. PATENT DOCUMENTS**

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<i>TB</i>	76	US- 5,663,416 A	09/1997	Kirschenheuter et al	
<i>TB</i>	77	US- 5,665,589 A	09/1997	Harris et al.	
<i>TB</i>	78	US- 5,700,779 A	12/1997	Goodfellow et al.	
<i>TB</i>	79	US- 5,710,026 A	01/1998	Sprecher	
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<i>TB</i>	82	US- 5,750,506 A	05/1998	Goodfellow et al.	
<i>TB</i>	83	US- 5,759,548 A	06/1998	Bathurst et al.	
<i>TB</i>	84	US- 5,780,009 A	07/1998	Karatzas et al.	
<i>TB</i>	85	US- 5,798,442 A	08/1998	Gallant et al.	
<i>TB</i>	86	US- 5,801,148 A	09/1998	Gyorkos et al.	
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<i>TB</i>	95	WO 98/06417	02/1998			
<i>TB</i>	96	WO 98/09206	03/1998			
<i>TB</i>	97	WO 98/20034	05/1998			
<i>TB</i>	98	WO 98/21186	05/1998			
<i>TB</i>	99	WO 98/22098	05/1998			
<i>TB</i>	100	WO 98/22619	05/1998			

Examiner Signature	<i>Tim E Betton</i>	Date Considered	09/28/07
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Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned <i>TIM BETH</i>
Attorney Docket Number	330310.00101

Sheet 5 of 17

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<i>TB</i>	101	US- 5,861,380 A	01/1999	Gyorkos et al.	
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<i>TB</i>	107	US- 5,914,342 A	06/1999	Maurer et al.	
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<i>TB</i>		US-			
<i>TB</i>		US-			

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<i>TB</i>	112	WO 98/23565	06/1998			
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<i>TB</i>	116	WO 98/50342	11/1998			
<i>TB</i>	117	WO 98/50420	11/1998			

Examiner  
Signature*Timothy M. S.*Date  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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TB TB TB TB	118	WO 98/56821	12/1998			
	119	WO 97/41231	08/1999			
	120	WO 99/43308	09/1999			
	121	WO 00/52034	09/2000			

**Examiner  
Signature**

Tom & Bethon

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned <i>TIM BETTON</i>
Attorney Docket Number	330310.00101

Sheet	7	of	17
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>TEB</i>	122	Aoki H, Akaike T, Abe K, Kuroda M, Arai S, Okamura R, Negi A, Maeda H. Antiviral effect of oryzacytostatin, a proteinase inhibitor in rice, against herpes simplex virus type 1 in vitro and in vivo. Antimicrob Agents Chemother Apr. 1995; 39(4):846-9.	
<i>TEB</i>	123	Auerswald et al., "Recombinant leech-derived trypsin inhibitor: construction, production, protein chemical characterization and inhibition of HIV-1 replication", Biol Chem Hoppe Seyler, 375(10):695-703 (1994).	
<i>TEB</i>	124	Avril LE, Di Martino-Ferrer M, Barin F, Gauthier F., "Interaction between a membrane-associated serine proteinase of U-937 monocytes and peptides from the V3 loop of the human immunodeficiency virus type 1 (HIV-1) gp120 envelope glycoprotein", FEBS Lett, 317(1-2):167-72 (Feb. 8, 1993).	
<i>TEB</i>	125	Beal, M.F., "Mitochondria, Free Radicals, and Neurodegeneration", Curr. Opin. Neurobiol., 1996, 6, 661-666.	
<i>TEB</i>	126	Bjorck L, Grubb A, Kjellen L. Cystatin C, a human proteinase inhibitor, blocks replication of herpes simplex virus. J Virol Feb. 1990;64(2):941-3.	
<i>TEB</i>	127	Carroccio A, Fontana M, Spagnuolo MI, Zulu G, Montalto G, Canani RB, Verghi F, Di Martino D, Bastoni K, Buffardi F, Guarino A., "Pancreatic dysfunction and its association with fat malabsorption in HIV infected children", Gut, 43(4):558-63 (Oct. 1998).	
<i>TEB</i>	128	Cox et al., "Synergistic combinations and peptides in the inhibition of human immunodeficiency virus", Adv Enzyme Regul, 31:85-97 (1991).	
<i>TEB</i>	129	Deigner, H.P. and R. Kinscherf, "Modulating Apoptosis: Current Applications and Prospects for Future Drug Development", Curr Med Chem 1999, 6, 399-414.	
<i>TEB</i>	130	Dilanni CL, Drier, DA, Deckman IC, McCann PJ 3d, Liu F, Roizman B, Colonno RJ, Cordingley MG. Identification of the herpes simplex virus-1 protease cleavage sites by direct sequence analysis of autoproteolytic cleavage products. Biol Chem Jan. 25, 1993;268(3):2048-51.	
<i>TEB</i>	131	Dilanni CL, Stevens JT, Bolgar M, O'Boyle DR 2nd, Weinheimer SP, Colonno RJ. Identification of the serine residue at the active site of the herpes simplex virus type 1 protease. J Biol Chem Apr. 29, 1994;269(17):12672-6.	

Examiner Signature	<i>Tim G. Betton</i>	Date Considered	<i>09/29/07</i>
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		Filing Date	September 25, 2003		
		First Named Inventor	Leland SHAPIRO		
		Art Unit	1614		
		Examiner Name	Not Yet Assigned <i>TIMOTHY BETTON</i>		
Sheet	8	of	17	Attorney Docket Number	330310.00101

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<i>TEB</i>	132	Flaitz CM, Hicks MJ. "Molecular piracy: the viral link to carcinogenesis." Oral Oncol Nov. 1998;34(6):448-53.	
<i>TEB</i>	133	Griffin, William C., "Calculation of HLB Values of Non-Ionic Sufactants", [H. L. B.--The Hydrophilic-Lipophilic Balance], J. Soc. Cos. Met. Chem., vol. 5, p. 249 (1954).	
<i>TEB</i>	134	Holwerda BC. Herpesvirus proteases: targets for novel antiviral drugs. Antiviral Res Jun. 1997;35(1):1-21.	
<i>TEB</i>	135	Inocencio et al., "Endoprotease activities other than furin and PACE4 with a role in processing of HIV-1 gp160 glycoproteins in CHO-K1 cells", J Biol Chem, 272(2):1344-8 (1997).	
<i>TEB</i>	136	Jabs, Thorsten, "Reactive Oxygen Intermediates as Mediators of Programmed Cell Death in Plants and Animals", Biochem Pharmacol 1999, 57, 231-245.	
<i>TEB</i>	137	Kaufmann, Scott H., Serge Desnoyers, Yvonne Ottaviano, Nancy E. Davidson, and Guy G. Poirier, "Specific Proteolytic Cleavage of Poly(ADP-ribose) Polymerase: An Early Marker of Chemotherapy-induced Apoptosis", Cancer Res 1993, 53, 3976.	
<i>TEB</i>	138	Kidd, Vincent J., Proteolytic Activities That Mediate Apoptosis, Annu Rev Physiol, 1998, 60, 533.	
<i>TEB</i>	139	Kido H, Niwa Y, Beppu Y, Towatari T. Cellular proteases involved in the pathogenicity of enveloped animal viruses, human immunodeficiency virus, influenza virus A and Sendai virus. Adv Enzyme Regul 1996;36:325-47.	
<i>TEB</i>	140	Best, P.J.M., et al., Arterioscler Thromb Vasc Biol 1999, 19, 14.	
<i>TEB</i>	141	Lomas DA, Elliott PR, Carrell RW. Commercial plasma alpha1-antitrypsin (Prolastin) contains a conformationally inactive, latent component. Eur. Respir J Mar. 1997;10(3):672-5	

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<i>TEB</i>	143	Miranda et al., "Isolation of the human PC6 gene encoding the putative host protease for HIV-1 gp160 processing in CD4+ T lymphocytes", Proc Natl Acad Sci U S A, 93(15):7695-7700 (1996).	
<i>TEB</i>	144	Molle W. et al. in J Immunol 1997, 159, 3555.	
<i>TEB</i>	145	Morel, J. B. and Dangle, J.L., Cell Death Differ 1997, 4, 67 1.	
<i>TEB</i>	146	Ohnishi et al., "A furin-defective cell line is able to process correctly the gp160 of human immunodeficiency virus type I", J Virol, 68(6):4075-99 (1994).	
<i>TEB</i>	147	Okumura et al., "The extracellular processing of HIV-1 envelope glycoprotein gp160 by human plasmin", FEBS Lett, 442(1):39-42 (1998).	
<i>TEB</i>	148	Pellegrini A, Thomas U, Franchini M, Stockli M, Klauser S, Hunziker P, von Fellenberg R. Identification of an aprotinin antiviral domain. FEBS Lett May 16, 1994;344(2-3):261-5.	
<i>TEB</i>	149	Schwartz, et al., "Antiviral activity of the proteasome on incoming human immunodeficiency virus type I", J Virol, 72(5):3845-50 (1998).	
<i>TEB</i>	150	Sichko ZhV, Koslova OL. Experience in treating herpetic infection with trypsin [Article in Russian]. Vrach Delo Mar. 1991;86-9.	
<i>TEB</i>	151	Szeghy G, Kenyeres B. On the therapy of herpes simplex keratitis with heparin and trypsin. [Article in German] Klin Monatsbl Augenheilkd 1968; 153(6):827-30.	

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First Named Inventor	Leland SHAPIRO
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10

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<i>TEB</i>	152	Cilberto et al., 1985, Cell, 41:531-540.	
<i>TEB</i>	153	Dery O. and Bunnett, N.W. Biochem Soc Trans 1999, 27, 246-254.	
<i>TEB</i>	154	Altieri, D.C. J Leukoc Biol 1995, 58, 120-127.	
<i>TEB</i>	155	Dery, O. et al. Am J Physiol 1998, 274, C1429-C1452.	
<i>TEB</i>	156	Patel R. P., et al. in Biochim Biophys Acta 1999, 1411, 385-400.	
<i>TEB</i>	157	Lowenstein, C. J. and Snyder, S. H. in Cell 1992, 70, 705-707.	
<i>TEB</i>	158	Beck, K.F. et al. in J Exp Biol 1999, 202, 645-53.	
<i>TEB</i>	159	Kirkeboen, K.A. and Strand, O.A. in Acta Anaesthesiol Scand 1999, 43, 275.	
<i>TEB</i>	160	Wood, E. R. et al. in Biochem Biophys Res Commun 1993, 191, 767-74.	
<i>TEB</i>	161	Lowenstein C. J. et al. in Proc. Natl. Acad. Sci. USA, 1993, 90, 9730.	

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Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned T.E. BETTON
Attorney Docket Number	330310.00101

Sheet

11

of

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**NON PATENT LITERATURE DOCUMENTS**

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TED	162	Nathan, C. in FASEB J. 1992, 6, 3501.	
TED	163	Rehman, A. et al. in Br J Pharmacol, 1997, 122, 1702.	
ASB	164	Pryor, W. A. et al., in Chem Biol Interact 1985, 54, 171.	
TED	165	Van Molle W. et al. in J Immunol 1997, 159, 3555.	
TED	166	Bratt, J. and Palmblad, J. in J Immunol 1997, 159, 812.	
TED	167	Ding, A. et al., in J. Immunol. 1990, 145, 940.	
TED	167	Heck, D. E. et al., in J. Biol. Chem. 1990, 267, 21277.	
TED	169	McCall, T.B. et al., in Biochem. Biophys. Res. Commun. 1992, 186, 680.	
TED	170	Punjabi, C. J. et al., in J. Immunol. 1992, 149, 2179.	
TED	171	Goureau, O. et al., in Proc. Natl. Acad. Sci. U.S.A. 1993, 90, 4276.	

Examiner  
Signature

Timothy E. Betton

Date  
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09/28/07

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Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned <b>BETTON, T.E.</b>
Attorney Docket Number	330310.00101

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12

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<b>TB</b>	172	Schini et al. in Circ Res 1994, 74, 24.	
<b>TB</b>	173	Meki, A. R. et al. in Toxicol 1998, 36, 18519.	
<b>TB</b>	174	Popko B. and Baerwald, K. D. in Neurochem Res 1999, 24, 331.	
<b>TB</b>	175	Smith, M. E. in Neurochem Res 1999, 24, 261.	
<b>TB</b>	176	Sambrook, Frisch & Maniatis, Molecular Cloning: A Laboratory Manual, Second Edition 1989, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y.	
<b>TB</b>	177	Remington's Pharmaceutical Sciences, 1990, p. 1519-1675, Gennaro, A.R., ed., Mack Publishing Company, Easton, PA.	
<b>TB</b>	178	Langer, R., Nature, 1998, 392, 5.	
<b>TB</b>	179	Budavari, Susan (Editor), "The Merck Index", An Encyclopedia of Chemicals, Drugs, and Biologicals; Merck & Co., Inc., 11th edition.	
<b>TB</b>	180	Merrifield, R.B., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", 1963, J. Am. Chem. Soc., (85):2149.	
<b>TB</b>	181	Animal Cell Culture, R.I. Freshney, ed. 1986, IRL Press, Oxford.	

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Signature**Ting E. Betton**Date  
Considered**09/30/07**

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TEB	182	Scharpe et al., "Protease and their inhibitors: today and tomorrow", 1991, Biochimie, 73(1):121-126.		
TEB	183	Kido et al., "A novel membrane-bound serine esterase in human T4+ lymphocytes immunologically reactive with antibody inhibiting syncytia induced by HIV-1. Purification and characterization", J Biol Chem., 1990, 265(35):21979-85.		
TEB	184	Brinkman et al., "Inhibition of trypsin TL2 from human T4+ lymphocytes and inhibition of HIV-1 replication of H9 cells by recombinant aprotinin and bikunin homologues", 1997, J. Protein Chem., 16(6):651-660.		
TEB	185	Auerswald et al., "K15R M52E) aprotinin is a weak Kunitz-type inhibitor of HIV-1 replication in H9 cells" Biomed Biochim Acta, 1991, 50(4-6):697-700.		
TEB	186	Kamoshita et al., "Calcium requirement and inhibitor spectrum for intracellular HIV type 1 gp160 processing in cultured HeLa cells and CD4+ lymphocytes: similarity to those of viral envelope glycoprotein maturase", J Biochem. Tokyo, 1995, 117(6):1244-53.		
TEB	187	Koito et al., "A neutralizing epitope of human immunodeficiency virus type 1 has homologous amino acid sequence with the active site of inter-alpha-trypsin inhibitor", 1989, Int Immunol, 1(6):613-8.		
TEB	188	McNeely et al., "Secretory leukocyte protease inhibitor: a human saliva protein exhibiting anti-human immunodeficiency virus 1 activity in vitro", 1995, J Clin Invest, 96(1):456-64.		
TEB	189	Hallenberger et al., "Inhibition of furin-mediated cleavage activation of HIV-1 glycoprotein gp160", 1992, Nature, 360(6402):358-61.		
TEB	190	Vollenweider, et al., "Comparative cellular processing of the human immunodeficiency virus (HIV-1) envelope glycoprotein gp160 by the mammalian subtilisin/kexin-like convertases", 1996, Biochem. J.;314 (P2):521-32.		
TEB	191	Anderson et al., "Inhibition of HIV-1 gp160-dependent membrane fusion by a furin-directed alpha 1-antitrypsin variant", 1993, J Biol Chem, 268(33):24887-91.		

Examiner Signature	<i>Timothy E. B...</i>	Date Considered	09/30/07
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/669,441	
			Filing Date	September 25, 2003	
			First Named Inventor	Leland SHAPIRO	
			Art Unit	1614	
			Examiner Name	Not Yet Assigned	
Sheet	14	of	17	Attorney Docket Number	330310.00101

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
TEB	192	Decroly, et al., "Identification of the paired basic convertases implicated in HIV gp160 processing based on in vitro assays and expression in CD4(+) cell lines", 1996, J Biol Chem, 271(48):30442-50.		
TEB	193	Moulard, et al., "Kex2p: a model for cellular endoprotease processing human immunodeficiency virus type 1 envelope glycoprotein precursor", Eur J Biochem, 1994, 225(2):565-72.		
TEB	194	Avril, et al., "Identification of the U-937 membrane-associated proteinase interacting with the V3 loop of HIV-1 gp120 as cathepsin G", FEBS Lett, 1994, 345(1):81-6.		
TEB	195	Harvima et al., "Separation and partial characterization of proteinases with substrate specificity for basic amino acids from human MOLT-4 T lymphocytes: identification of those inhibited by variable-loop-V3 peptides of HIV-1 (human immunodeficiency virus-1) envelope glycoprotein", 1993, Biochem J, 292 (Pt 3):711-8.		
TEB	196	Bourinbaier, et al., "Acrosin inhibitor, 4'-acetamidophenyl 4-guanidinobenzoate, an experimental vaginal contraceptive and anti-HIV activity", Contraception, 1995, 51(5):319-22.		
TEB	197	Bristow, et al., "Inhibition of HIV-1 by modification of a host membrane protease", 1995, Int Immunol, 7(2):239-49.		
TEB	198	Bukrinskaia et al., "Inhibition of HIV reproduction in cultured cells using proteolysis inhibitors", 1989, Vopr Virusol, 34(1):53-5.		
TEB	199	Bourinbaier, et al., "Effect of serine protease inhibitor, N-alpha-tosyl-L-lysyl-chloromethyl ketone (TLCK), on cell-mediated and cell-free HIV-1 spread", Cell Immunol, 1994, 155(1):230-6.		
TEB	200	Turpin et al., "Human immunodeficiency virus type-1 (HIV-1) replication is unaffected by human secretory leukocyte protease inhibitor", 1996, Antiviral Res, 29(2-3):269-77.		
TEB	201	Kennedy et al., "Submandibular salivary proteases: lack of a role in anti-HIV activity", 1998, J Dent Res, 77(7):1515-9.		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned
Attorney Docket Number	330310.00101

Sheet

15

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FE0	202	Premack, B.A. et al., "Chemokine Receptors: Gateways to Inflammation and Infection", 1996, Nature Medicine 2:1174-1178.	
FE0	203	Zhirnov O.P. et al., "Antiviral activity of proteinase inhibitors in cultured cells infected with alpha-viruses", Mol Gen Mikrobiol Virusol, 1985, (12):30-6.	
FE0	204	Chesnokova N.B. et al., "Antiproteases in herpetic keratitis", Metab Pediatr Syst Ophthalmol, 1986;9(1):593-6.	
FE0	205	Adelman S.F. et al., "Protease inhibitors suppress fibrinolytic activity of herpesvirus-transformed cells", J Gen Virol, 1982, 60(Pt 1):15-24.	
FE0	206	Chesnokova N.B. et al., "Main proteolytic inhibitors in ocular herpes", Vopr Med Khim, 1981, 27(5):663-5.	
FE0	207	Sharpstone D. et al., "Faecal alpha 1 antitrypsin as a marker of gastrointestinal disease in HIV antibody positive individuals", Gut, 1996, 38(2):206-10.	
FE0	208	Patel et al., "The Role of Protease Drug During Apoptosis", 1996, FASEB J, 10(5):587-597.	
FE0	209	Estaquier J., "Fas-mediated apoptosis of CD4+ and CD8+ T cells from human immunodeficiency virus-infected persons: differential in vitro preventive effect of cytokines and protease antagonists", 1996, Blood, 15;87(12):4959-66.	
FE0	210	Shimizu, T. et al., "DNA Fragmentation induced by Protease Activation in P53-null Human Leukemia HL60 Cells Undergoing Apoptosis Following Treatment with the Topoisomerase I Inhibitor Camptothecin: Cell-Free System Studies", 1996, Exp Cell Res, 1:226(2):292-301.	
FE0	211	Glynn et al., "Apoptosis induced by HIV Infection in H9 T Cells is Blocked by ICE-Family Protease Inhibition but not by a FAS(CD95) Antagonist", 1996, J. Immunol, 1; 157(7):2754-2758.	

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			Application Number	10/669,441	
			Filing Date	September 25, 2003	
			First Named Inventor	Leland SHAPIRO	
			Art Unit	1614	
			Examiner Name	Not Yet Assigned <i>TIM BETTON</i>	
Sheet	16	of	17	Attorney Docket Number	330310.00101

NON PATENT LITERATURE DOCUMENTS			
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<i>TEB</i>	212	Ooka, T., et al., "Protective effects of human urinary trypsin inhibitor against trypsin-induced relaxation in rat aorta", Crit care Med, 1996, 24(11): 1903-1907.	
<i>TEB</i>	213	Novradovsky, A., et al., "Endothelial Nitric Oxide Synthase as a Potential Susceptibility Gene in the Pathogenesis of Emphysema in alpha1-Antitrypsin Deficiency", 1999, Am J Respir Cell Mol Biol, 1:20(3):441-447.	
<i>TEB</i>	214	Cordiali Fei et al., "Behavior of several 'progression markers' during the HIV-Ab seroconversion period. Comparison with later stages", 1992, J Biol Regul Homeost Agents, 6(2):57-64.	
<i>TEB</i>	215	Lima et al., "Mucosal injury and disruption of intestinal barrier function in HIV-infected individuals with and without diarrhea and cryptosporidiosis in northeast Brazil", 1997, Am J Gastroenterol, 92(10):1861-6.	
<i>TEB</i>	216	Banfi et al., "Tumor-associated trypsin inhibitor in induced and acquired immunodeficiency. Studies on transplanted and HIV-infected patients", 1991, Scand J Clin Lab Invest 51, Suppl, 207:55-8.	
<i>TEB</i>	217	Deam et al., "Alpha 1-antitrypsin phenotypes in homosexual men", 1989, Pathology, 21(2):91-2.	
<i>TEB</i>	218	Pezzilli et al., "Serum pancreatic enzymes in HIV-seropositive patients", Dig Dis Sci, 1992, 37(2):286-8.	
<i>TEB</i>	219	Tang et al., "Inactivation of HIV-1 by trypsin and its use in demonstrating specific virus infection of cells", 1991, J Virol Methods, 33(1-2):39-46.	
<i>TEB</i>	220	Glozman, "Immunologic functions of enzyme therapy of patients with orchiepidymitis", 1990, Antibiot. Khimioter, 35(7):50-52.	
<i>TEB</i>	221	Franzusoff, et al., "Biochemical and genetic definition of the cellular protease required for HIV-1 gp160 processing", 1995, J Biol Chem, 270(7):3154-9).	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/669,441
Filing Date	September 25, 2003
First Named Inventor	Leland SHAPIRO
Art Unit	1614
Examiner Name	Not Yet Assigned TIM BETTON
Attorney Docket Number	330310.00101

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Examiner Signature	<i>Tom E. Bottom</i>	Date Considered	09/30/67
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